Introduction

Thank you for purchasing this television set.
This handbook has been designed to help you install and operate your TV set.
We would strongly recommend that you read it thoroughly.

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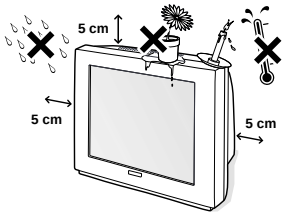
Recycling
The materials used in your set are either reusable or can be recycled.
To minimise environmental waste, specialist companies collect used appliances and dismantle them after retrieving any materials that can be used again (ask your dealer for further details).

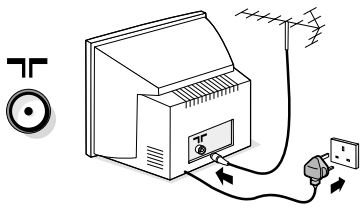
Installing your television set

❶ Positioning your television set



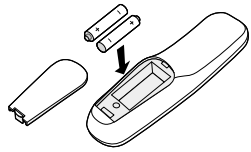
Place your TV on a solid, stable surface. To avoid accidents, do not expose the set to water and do not place anything on the set such as a cloth (mat), a container full of liquid (vase) or a heat source (lamp).

❷ Connections



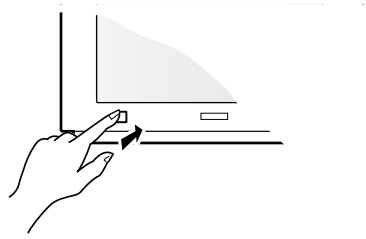
- Insert the aerial plug into the connector at the rear of the set.
- Insert the mains plug into the wall socket (220-240 V / 50 Hz).
  To prevent damaging the mains (AC) cord which could cause of fire or electric shock, do not place the TV on the cord.

❸ Remote control



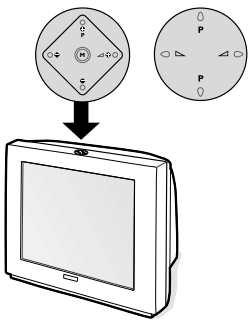
Insert the 2 R6-type batteries (supplied) making sure that they are the right way round.
For environmental reasons the batteries supplied with this appliance do not contain mercury or nickel cadmium. Please do not discard your used batteries, use available recycling facilities (consult your dealer on this).

❹ Switching on



To switch on the set, press the on/off key. The indicator comes on and the screen lights up.
If the television remains in standby, press **P** ⊕ on the remote control. Go straight to page 4.
The indicator will flash when you use the remote control.

The keys on the TV set



Depending on the model, the television set has 4 or 5 keys located on the front or the top of the set. The **VOLUME** (- ◿ +) keys are used to adjust the sound levels. The **PROGRAM** (- **P** +) keys are used to select the required programmes. The **M** key (for 5 key versions), allows you to select **Volume**, **Brightness**, **Colour**, **Contrast**, **Treble** and **Bass**. Then use the **P** - + to make the adjustment.
Note: when the **Childlock** *function is activated, these keys are unavailable (see page 6).*

Remote control keys

Standby
Lets you place the TV set in standby. To turn on the TV, press ⊖ **P** ⊕ or ⓪ to ⑨.
Pressing the key for 3 seconds allows you to place video recorders equipped with the EasyLink function in standby

Select peripherals (p.10)
Press several times to select the required EXT connector.

Mode selector (p. 11)

Teletext (p. 9)
or video recorder keys (p.11)

NexTView Guide (p. 7)

Smart picture and sound
Used to access a series of predefined picture and sound settings.
The **Personal** *position relates to settings selected from the menus.*

Menu
To call up or exit the menus.

Cursor
These 4 keys are used to move around the menus. The ⓞⓚ key confirms your choice.

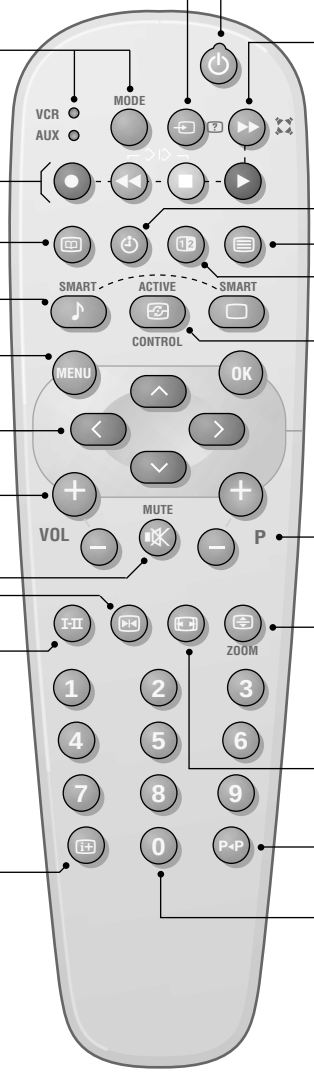
Volume
To adjust the sound level

Mute
To mute or restore the sound.

Freeze the picture

Sound mode
Used to force programmes in **Stereo** and **Nicam Stereo** to **Mono** or, for bilingual programmes, to choose between **Dual I** or **Dual II**.
The **Nicam available** *indication is displayed for Nicam programmes when in the forced Mono position.*

Screen information
To display the programme number and name, sound mode, the picture format and the time remaining on the sleeptimer. Press the key for 5 seconds to activate/disable the display of all information when changing programmes.



Surround Sound
To activate / deactivate the surround sound effect. In stereo, this gives the impression that the speakers are further apart. For models equipped with Virtual Dolby Surround*, you can experience Dolby Surround Pro Logic sound effects. In mono, a stereo spatial effect is simulated.

Time display
To display or remove the time transmitted by the teletext of programme n°1.
The time function is not available when subtitles are activated (p. 6).

Teletext (p. 9)

unused key.

Active Control
With this function turned on, the television set optimises the quality of the picture depending on the signal received. The definition and noise reduction are controlled automatically.
In order to view the parameters, press the up/down cursor while Active Control is displayed on the screen. Press the cursor again to clear it (it cannot be adjusted).

Programme selection
To access the next or previous TV channels from the list of Favourite Programmes (see p. 5).

Enlarge a teletext page (p. 9)

16:9 Format *(according to the version)*
To compress a picture vertically.

Previous programme
To return to the previous programme.

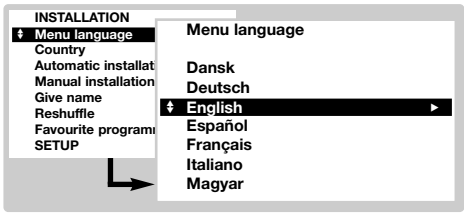
Number keys
Direct access to the programmes. For a 2 digit programme, enter the 2nd digit before the dash disappears.

** "Dolby" and the double-D symbols ◻◻ are trademarks of the Dolby Laboratories Licensing Corporation. Manufactured under license of Dolby Laboratories Licensing Corporation.*

Choice of language and country

The first time you switch on the television, the language menu will appear and the languages will change in succession. Go straight to step ❸. Alternatively :

❶ To select the **INSTALLATION** menu, press the ◀◀ and ■ keys on the remote control at the same time.



❷ With the cursor, select **LANGUAGE** and press OK. The list of languages is displayed.

❸ Select your language with the up/down cursor and press OK. The menus will appear in the selected language.

❹ With the cursor, select **COUNTRY** and press OK.

❺ Select your country with the up/down cursor and press OK.
This setting is used for the tuning, the automatic installation of programmes and teletext. If your country does not appear on the list, select **Other**.
Also see : EasyLink Function page 7.

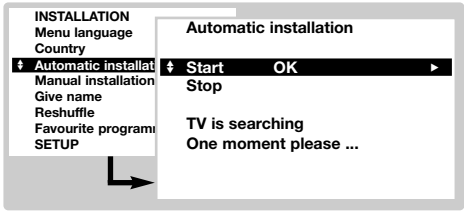
❻ If you wish to exit the menus, press MENU several times.

Automatic installation

This menu allows automatic tuning of all programmes.

❶ First select the language and country, then :

❷ With the cursor, select **Automatic installation** and press OK.



❸ Select **Start** and press OK. The tuning starts. After a few minutes, the list of programmes that have been found is displayed.

❹ If the transmitter or cable network transmits an automatic signal (ACI), the programmes will be numbered correctly.
The installation is complete.

❺ Without ACI broadcast, the programmes are numbered according your language and country selection. You can use **Reshuffle** to renumber them.
Some transmitters or cable networks broadcast their own selection menu (region, language, ...). In this case, indicate your choice by using the cursor and validate with OK. To exit or pause a search press MENU. If no picture is found, see Tips (p.12).
Also see : EasyLink Function page 7.

❻ To exit, press MENU repeatedly.

Reshuffle programmes

This menu allows you to change the programme numbers.
From the **Installation** menu *(to select press ◀◀ and ■ at the same time)* :

❶ Select **Reshuffle** and press OK.

❷ Select the programme you wish to change with the up/down cursor and validate with OK.

❸ Use the up/down cursor to select the new number and press OK. The two programmes are exchanged.

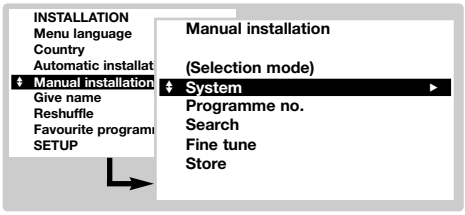
❹ Repeat steps ❷ and ❸ for all the programmes that require renumbering.

❺ To exit, press MENU several times.
See also : EasyLink Function page 7.

Manual installation

This menu is used to store the programmes one at a time or to add a programme to the existing list.
From the **Installation** menu *(to select press ◀◀ and ■ at the same time)* :

❶ Select **Manual installation** and press (OK). Use the up/down cursor to select and the left/right one to adjust :



❷ **Selection mode** (only available in certain countries) : permits selection of search mode by **Frequency** or by **Channel**.

❸ **System :** select **Western Europe** (BG standard), **Eastern Europe** (DK standard), **Great Britain** (I standard) or **France** (LL' standard).

❹ **Programme number :** enter the required number using only the left/right keys.

❺ **Search :** press (OK). The search starts. Once a programme is found, the scanning stops and the name of the programme is displayed (when available). Go to the next step. If you know the frequency of the required programme, this can be entered directly using the (0) to (9) keys.
If no picture is found, see Tips (p. 12). See also : EasyLink Function page 7.

❻ **Fine Tune :** if reception is poor, adjust using the left/right cursor.

❼ **Store :** press (OK). The programme is stored.

❽ Repeat steps ❹ to ❼ for each programme to store.

❾ To exit, press (MENU) several times.

Give name

This menu allows you to change or give a name to the programmes and external connectors. From the **Installation** menu *(to select press ◀◀ and ■ at the same time)* :

❶ Select **Give name** and press (OK).

❷ Select the programme with the up/down cursor and validate with (OK).

❸ Use the left/right cursor to move around the name display area (5 characters).

❹ Use the up/down cursor to select the characters.

❺ Press (OK) when the name has been entered. The programme name is stored.

❻ Repeat steps ❷ to ❺ for all programmes or connectors to be named.

❼ To exit, press (MENU) several times.

Favourite Programmes

This menu allows you to select the programmes to be accessed with the (−) **P** (+) key. From the **Installation** menu *(to select press ◀◀ and ■ at the same time)* :

❶ Select **Favourite Programmes** and press (OK). The list of favourite programmes is displayed. The programmes that were stored at installation will automatically appear on this list.

❷ Use the up/downcursor to select the required programme.

❸ Use the left/right cursor to add or remove a programme from the list.

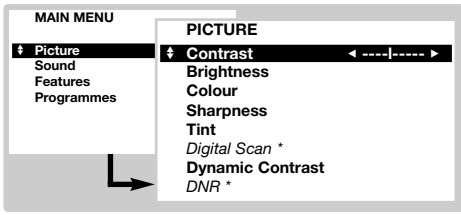
❹ Run through steps ❷ and ❸ for each programme to be added or removed from the list.

❺ To exit, press (MENU) several times.

Setup Menu: see page 11

Picture settings

❶ Press the MENU key. With the cursor, select **PICTURE** and press OK. The **PICTURE** menu is displayed :



❷ Use the cursor to adjust (the settings are stored automatically) :

- **Contrast :** this changes the difference between light and dark tones.
- **Brightness :** this changes picture brilliance.
- **Colour :** this changes the intensity of the colour.
- **Sharpness :** this changes the picture definition.
- **Tint :** this changes the colour rendering : **Cold** (more blue), **Normal** or **Warm** (more red).
- ***Digital Scan*** *: reduces line flicker which is visible on some pictures.
- **Dynamic Contrast : Min**, **Med** (optimum position), **Max** or **Off**. Enhances the contrast of details in lighter, average and darker areas.
- ***DNR Dynamic Noise Reduction*** *: automatically reduces noise (snowy picture) when receiving weak video signals.

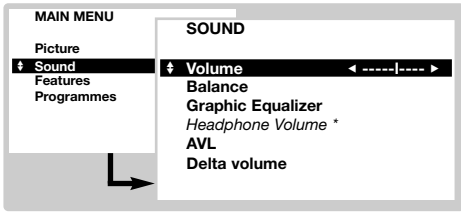
* *(only available on certain versions)*

The **Hue** *setting will appear if you connect an NTSC peripheral to one of the EXT connectors.*

❸ Press MENU several times to exit.

Sound settings

❶ Press the MENU key. With the cursor, select **SOUND** and press OK. The **SOUND** menu is displayed :



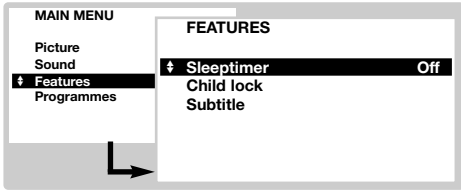
❷ Use the cursor to select a setting (the settings are stored automatically) :

- **Volume :** to adjust the preferred volume.
- **Balance :** to balance the sound on the left and right speakers.
- **Treble / Bass** or **Graphic Equaliser** (according to the version) : allows you to adjust the tone of the sound.
- ***Headphone volume*** *(according to the version)* **:** allows you to adjust the headphones volume independently from the loud-speakers on the TV set.
- **AVL** (Automatic Volume Leveller): automatically controls the volume and is used to limit increases in sound, especially during programme changes or advertising.
- **Delta Volume :** this is used to compensate any volume discrepancies between the different programmes or EXT connectors. Use the − **P** + keys to compare the level of different programmes.

❸ Press MENU several times to exit.

Feature settings

❶ Press MENU, select **FEATURES** and press OK. The **FEATURES** menu is displayed :



❷ Use the cursor to adjust :

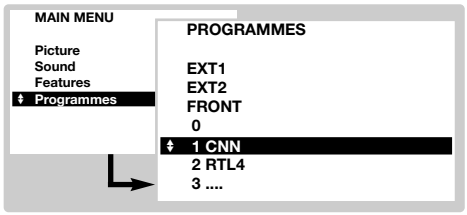
- **Sleeptimer :** to set the time after which the TV will switch to standby (from 0 to 180 minutes).
- **Child lock :** If the chid lock is on, the TV can only be switched on with the remote control. Select **On**, then turn off the television and hide the remote control. To cancel, change **Child Lock** to **Off**.
- **Subtitles :** TV channels with teletext often transmit programmes with subtitles. This function activates or disables the automatic display of teletext subtitling, when it is being transmitted.

For each TV channel, first activate the teletext, select the subtitle page, then exit teletext. The subtitle page is then stored, the ▭ symbol appears at the bottom of the screen.

❸ Press MENU several times to exit.

List of programmes

This menu displays the list of available programmes.



1. Press (MENU), select **PROGRAMMES** and press (OK). The list of programmes is displayed.
2. Use the up/down cursor to search the list of available programmes.
3. Press the (OK) key to view the selected programme.
4. Press (MENU) several times to exit.

EasyLink Function

easy LINK

If your video recorder has an EasyLink function, during installation, the language, country and available channels are automatically transmitted to the video recorder. Recordings may also be programmed through the NexTView guide. Equally, when the video recorder is in standby, pressing the ● key on the remote control will start the recording of the same programme displayed on the TV set.
The video recorder must be connected to the EXT2 connector (see p. 10).

NexTView / Teletext Guide

NEXTVIEW

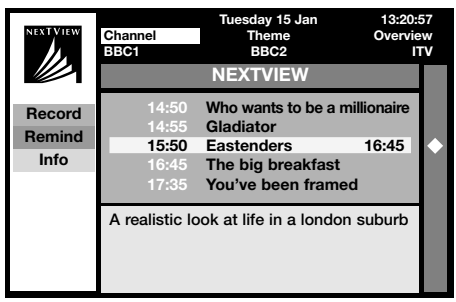
NexTView is an electronic guide that allows you to look up programmes as you would in a newspaper or a TV magazine. You can sort the programmes by subject (films, sport,…), obtain detailed information and programme your video recorder if it comes with the NexTViewLink function.
Important note : The NexTView service is only available on certain programmes and in certain countries. When no NexTView information is broadcast, the teletext programme guide appears in its place. This is based on teletext programme information (if available) and offers most functions of NexTView.

Display of a NexTView page

The information is set by the channel that transmits the NexTView service.
For example :

This logo is only displayed during a NexTView transmission. No logo indicates it is a teletext programme guide

NexTView Functions: Use the coloured keys on the remote control to activate them.
The text appears in grey when the function is not available.



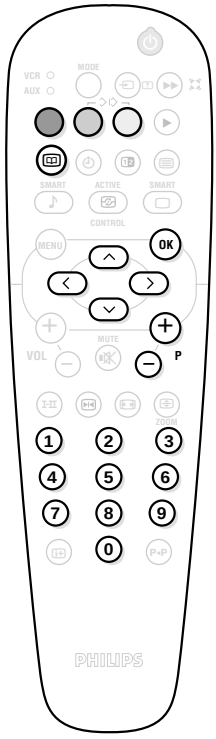
Selection zone :
- choice of the day,
- channel choice,
- sort by subject,
- programme preview.

Programme name and broadcast time.

Summary or commentary on programme (if available).

Logo indicating programme

Using NexTView / Teletext Guide



Call NexTView guide

Press the ⓔ key to call or exit the NexTView guide. A menu appears with the message "One moment please" at the bottom of the screen. After a while you obtain :

- a NexTView page, if the selected channel broadcasts this service (the NexTView logo is displayed in the top left of the screen),
- a teletext page, if the selected channel does not broadcast NexTView,
- "Information unavailable" is displayed if neither NexTView nor teletext are transmitted. In this case, select another channel.

Selection zone

A selection zone is displayed at the top of the screen. Use the up/down left/right cursor to select :

- the required channel (each channel may offer a different service),
- the day of the broadcast (NexTView page only),
- the subject, in order to sort the broadcasts (film, sport, news ...),
- programme previews already carried out (see NexTView functions).

The text will appear in grey when the function is no longer available.

NexTView Page (logo visible top left)

❶ Use the up/down cursor to run through the various suggested broadcasts for the selected day. When a summary or commentary is available, it appears at the bottom of the screen.

❷ Press one of the red, green or yellow keys to activate a NexTView function.

❸ Press ⓞⓚ to return to the selection zone.

Teletext Page

The first time, the teletext contents will appear. Select the programme guide page (if available).

With certain channels, the programme guide is detected automatically. In this case, go straight to step ❸.

❶ Use the bottom cursor to activate the selection zone on the page.

❷ With the ⓪ to ⑨ or ⊖ **P** ⊕ keys, enter the teletext programme page number. If necessary, use the left/right keys to select the sub-pages.

❸ Use the up/down cursor to scroll through the different broadcasts suggested and the coloured keys to activate a NexTView function.

❹ Press ⓞⓚ to return to the selection zone.

NexTView Functions

Press one of the red, green or yellow keys to activate a NexTView function:

The text appears in grey if the function is not available.

❶ **Record.** : to programme the recording of the video recorder (if it has a NexTViewLink function and is connected to EXT2).

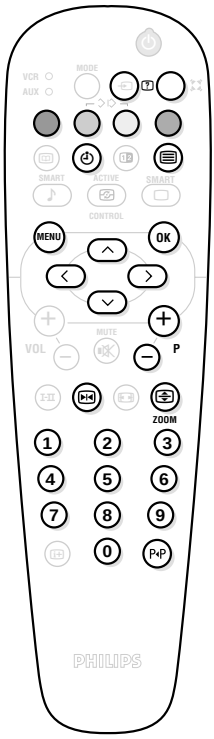
❷ **Remind.** : automatically turns on the TV set, if it is in standby, or stops a programme from being broadcast by displaying a message if the TV set is on. For these 2 functions, a window appears and the frequency of the recording should be stored by using the cursor and the ⓞⓚ key (and in certain cases confirm the channel).

For certain broadcasts, the **series** *option is suggested. With this option, the system will independently search for when the next episode in the series is being broadcast.*

❸ **Info** : to obtain more information on the selected broadcast.

Teletext

Teletext is an information system, broadcast by certain channels. This television has a 1200 pages memory that will store most broadcasted pages and subpages to reduce waiting time.
After each programme change, the memory is refreshed. It may take some time for all pages to load.

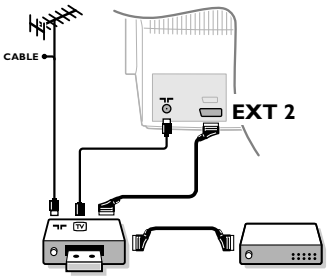


Press :		You will obtain:
	Call teletext	This is used to call or exit teletext. The Contents appear with a list of items that can be accessed. Each item has a corresponding 3 digit page number. *If the channel selected does not broadcast teletext, the screen will remain blank (in this case, exit teletext and select another channel). If the characters on the teletext pages are not in your language, press the I-II key to change them.*
0/9 P ▲ ▼	**Selecting a page**	Enter the number of the page required using the 0 to 9, ▲▼ or − **P** + keys. For example: for page 120, enter 1 2 0. The number is displayed top left and then the page is displayed. Repeat this operation to view another page.
●●●●	**Direct access to the items**	Coloured areas are displayed at the bottom of the screen. The 4 coloured keys are used to access the items or corresponding pages.
	Contents	To return to the main index page (usually page 100).
P↺P	**Previous page**	To display last page viewed.
◄►▲▼ ⏻	**Selecting sub-pages**	Some pages have sub-pages. In this case, the first line indicates the sub-pages available (for example, page 120 contains sub-pages 01, 02, 03). Use the left/right keys to select the required sub-page. *You may also press the ⏻ key and enter the number of the required sub-page.*
	Stop sub-page acquisition	Certain sub-pages are automatically displayed successively. This key is used to stop or resume the alternation. The indication appears top left.
?	**Hidden information**	To display or hide the concealed information (games solutions).
ZOOM	**Enlarge a page**	This allows you to display the top or bottom part of the page and then return to normal size.
MENU ◄►▲▼ OK	**Teletext preview**	Press the MENU key to display or clear a preview of the available items and pages. Then, with the up/down, left/right cursor select the required item and press OK to display it. *The teletext preview is only available on channels using the T.O.P. system (Table Of Pages). If this system is not available, a message appears at the top of the screen.*
0/9	**Subtitles**	Some channels transmit teletext subtitles. Refer to the teletext contents to find the subtitle pages. Simply enter the page number and the subtitle is displayed (if it is available). For automatic display of subtitles, see the features menu (p. 6).

Connections

The television has 2 SCART connectors at the back of the set (EXT1 and EXT2).
The EXT1 connector (the top one) has audio video inputs/outputs and RGB inputs.
The EXT2 connector has audio video inputs/outputs and S-VHS inputs.

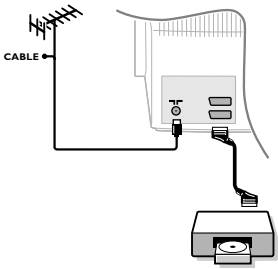
Video recorder



Carry out the connections shown opposite, using the EXT2 connector. Use a good quality SCART connector cable.
If your video recorder does not have a SCART connector, the only possible connection is via the aerial cable. You will therefore need to tune in your video recorder's test signal and assign it programme number 0 (refer to manual installation p.5). To reproduce the video recorder picture, press (0).

Video recorder with Decoder
Connect the decoder to the second SCART connector of the video recorder. You will then be able to record scrambled transmissions. See also the **SETUP** menu (following page).

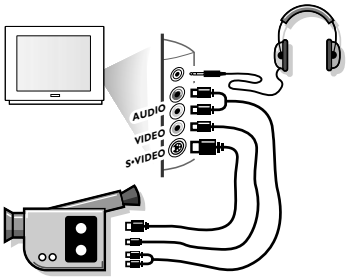
Other equipment



Satellite receiver, decoder, DVD, games, etc.
Carry out the connections shown opposite. To optimise picture quality, connect the equipment which produces the RGB signals (digital decoder, DVD players, games, etc…) to EXT1, and the equipment which produces the S-VHS signals (S-VHS and Hi-8 video recorders) to EXT2, ...). For digital equipment or a decoder, go to the **SETUP** menu settings (see next page).

To select connected equipment
Press (⇆) to select **EXT1** or **EXT2**.
Most equipment (decoder, video recorder) carries out this switching automatically.

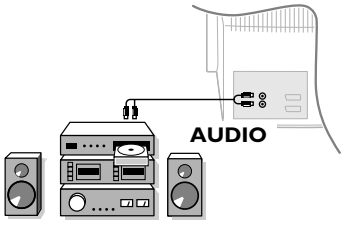
Side connections



Make the connections as shown opposite. With the key (⇆), select FRONT.
For a monophonic device, connect the audio signal to the AUDIO L input. Use the (I-II) *key to reproduce the sound on the left and right speakers of the TV set.*

Headphones
The (−) ◿ (+) keys are used to adjust the volume. Press the (🔇) key to mute the sound on the TV set (see also sound settings, page 6).
The headphone impedance must be between 8 and 4000 ohms.

Amplifier

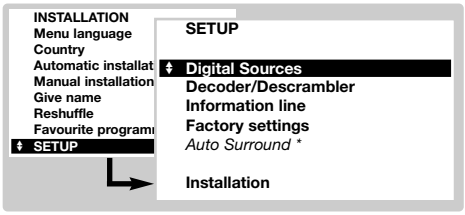


To connect to a Hi-fi equipment, use an audio connection cable and connect the "L" and "R" outputs of the TV set to the "AUDIO IN" "L" and "R" input of the Hi-fi equipment.

Setup Menu

❶ Press ◀◀ and ■ on the remote control at the same time.

❷ With the cursor, select **SETUP** and press OK.



❸ Use the cursor to adjust :

- **Digital sources :** if you have connected a digital peripheral (DVD, satellite receiver, …), select the corresponding connector : **FRONT**, **EXT1**, **EXT2** or **None**.
- **Decoder :** select the programme(s) that use the external decoder then select the connector where the decoder is connected : **EXT1** or **EXT2**. Press MENU to return to the previous menu. *If the decoder is connected to the video recorder, select the video recorder's connector (***EXT2***).*
- **Information line :** to activate or disable the display of information on the programme (if available). This information (name of channel or broadcast) is displayed when the channels are changed or by pressing i+. The content is defined by the programme.
- **Factory settings :** press OK to reset the factory picture and sound settings.
- *Auto Surround (only available on certain versions)***:** when this function is switched on, the television set will automatically select Virtual Dolby Surround sound when the identification signal is being transmitted.

❹ To exit, press MENU several times.

Video recorder, DVD or Satellite keys

Most of the audio and video equipment from our range of products can be operated with the remote control of the TV.

The remote control is compatible with all video recorders and satellite receivers using the RC5 standard and all DVDs using the RC6 standard.

❶ To prepare for the first time the remote control for a DVD, press OK and 2 simultaneously. Or to prepare for a satellite receiver, press OK and 1 simultaneously. The setting is memorized for the **AUX** mode.

❷ Press the **MODE** key to select the required mode : **VCR** (video recorder) or **AUX** (DVD or satellite receiver). The remote control indicator lights up to display the selected mode. It switches off automatically after 20 seconds if left idle. The remote control automatically returns to TV mode.

❸ The following keys are operational, depending on the equipment :

- ⏻ standby,
- ● recording,
- ◀◀ fast rewind,
- ■ stop,
- ▶ play,
- ▶▶ fast forward,
- ⏲ VCR timer,
- ☰ DVD : title selection,
- 💬 DVD : subtitle selection / VCR : tape list function,
- MENU menu,
- cursor navigation and adjustments,
- OK validation,
- 0 9 digit keys,
- − **P** + programme selection,
- I-II audio selection.
- i+ OSD menu,
- P•P DVD : T-C function / VCR : index function.

Tips

Poor picture

The proximity of mountains or high buildings may be responsible for ghost pictures, echoing or shadows. In this case, try manually adjusting your picture: see **Fine Tuning** (p. 5) or change the direction of the outside aerial.

Does your aerial enable you to receive broadcasts in this frequency range (UHF or VHF band) ?

There may be interference if the TV set is too close to equipment that is not earthed (sound system, cordless phone, ...) or if a piece of equipment connected to the side connectors is operating at the same time as a piece of equipment connected to EXT1 or EXT2. Switch off one of the 2 pieces of equipment.

No picture

Have you connected the aerial properly ?

Have you chosen the right system ? (p. 5)

Are the contrast and brightness correctly tuned? Reset the factory settings with the **SETUP** menu (p.11).

A wrong SCART or aerial socket connection is often the cause of poor picture or sound problems. Check all the connections.

No sound

If on certain programmes you receive a picture but no sound, this means that you do not have the correct TV system. Modify the System setting (p. 5).

Is the sound interrupted with the mute key ?

Teletext

Certain characters are not displayed correctly ? Press the I-II key to change the set of characters.

Smart picture and sound controls

The eco mode is intended to lower power consumption of the TV and to improve picture quality of low quality digital sources.

The personal mode is redefined with the settings of the picture and sound menus after you have changed any of the settings.

The remote control is no longer working ?

The indicator on the TV set no longer flashes when you use the remote control ? Replace the batteries.

Standby

When you switch the TV set on it remains in standby mode and **Locked** is displayed when you use the keys on the TV set ? The **Child Lock** function is switched on (p. 6).

If the set receives no signal for 15 minutes, it automatically goes into standby mode.

To save power, your television is fitted with components that give it a very low power consumption when in standby mode (less than 1 W). We adwise to switch off the TV overnight instead of leaving it on standby. You save energy.

Still no results ?

Switch your TV off and on again once.

If your TV set breaks down, never attempt to repair it yourself, contact the after-sales service.

Cleaning the set

Only use a clean, soft and lint-free cloth to clean the screen and the casing of your set. Do not use alcohol-based or solvent-based products.

Glossary

RGB signals: These are 3 Red, Green and Blue video signals which directly drive the red, green and blue emitters in the cathode ray tube. Using these signals provides better picture quality.

NICAM sound: Process by which digital sound can be transmitted.

System: Television pictures are not broadcast in the same way in all countries. There are different standards : BG, DK, I, and L L'. This is not to be confused with PAL or SECAM colour coding. Pal is used in most countries in Europe, Secam in France, Russia and most African countries. The United States and Japan use a different system called NTSC.

100Hz: Conventional televisions (50 Hz) produce a visible image flicker. Thanks to 100 Hz technology, the scanning frequency is doubled. It is visually more comfortable and the flickering effect is reduced.

16:9: Refers to the length / height of the screen. Wide screen televisions have a ratio of 16/9 and conventional TV sets have a ratio of 4/3.